






Professional Monitor / Recorder Comparison

					
Manufacturer	Convergent Design	Small HD	IKAN	TV Logic	Marshall
Model	Odyssey7Q	DP7 PRO-OLED-SX	MR7	LVM-074W	V-LCD70XHB-3GSDI
Size	7.7"	7.7"	7.0"	7.0"	7.0"
Resolution	1280x800	1280x800	1024x600	1024x600	800x480
Type (Note 2)	OLED	OLED	LCD	LCD	LCD
Brightness (Nits) (Note 2)	250	250	400	400	800
Contrast	3,400:1	3,400:1	800:1	800:1	800:1
Viewing Angle (degrees)	176/176	176/176	170/170	170/170	
Waveform	Full Screen /4Q / PIP	PIP, Full Screen	√	Full Screen	
RGB Parade	Full Screen /4Q / PIP	Full Screen			
Vectorscope	Full Screen /4Q / PIP	PIP, Full Screen	√	Full Screen	
Histogram	Full Screen /4Q / PIP	PIP, Full Screen	√		
False Color	√	√	√	√	√
Zebra	2 Levels	√		√	
1:1 Mode	√	√	√	√	√
Focus Assist	3 Modes	√	√	2 Modes	√
Blue/Mono Mode	√	√		√	
Aspect Guides	√	√	√	√	√
Audio Meter	2-Chan, 8-Chan Future	Future	1-16 Channel	16 Channel	
Horizon Indicator	Future	√	√		
Timecode Display	SDI/HDMI		SDI Only	SDI Only	
H/V Flip/Flop	√		Vertical Flip	√	Vertical Flip
SDI I/O (Inputs, Outputs)	SD/HD/3G (4,2 or 2,4)	SD/HD (2, 1)	SD/HD/3G (1,1)	SD/HD/3G (2,1)	SD/HD/3G (1,1)
HDMI I/O (Max Format)	1080p60	1080p30	1080i60	1080p30	
Analog Video		√	√	√	√
LUT Support	ARRI, Canon, Sony	Not Defined			
Remote Control	iPhone / Android App				
Power Input, Draw	10-34V, 8W	10-24V, 10W	12-24V, 28W	12V, 10W	12V, 12W
Reverse Voltage Protect	√	√			
Weight (grams, pounds)	540, 1.2 lbs	543, 1.2 lbs	898, 1.98	634, 1.4 lbs	861, 1.9 lbs
Size (mm)	201x143x25	205x145x25	182x141x36	203x131x35	178x144x55
Recording Options					
Avid DNxHD Compressed	Up to 1080p60	Professional video recording not possible due to basic hardware limitations - can not be added via firmware updates. (SmallHD and Ikan do include H.264 720p proxy recording)			
HFR, RGB 444 (Option)	Up to 120fps, 60fps				
Quad HD/4K (Option)	Up to 30fps				
Sony FS700 Raw (Option)	Up to 2K@240fps				
HD/2K Raw (Option)	Up to 120fps				
C500 4K Raw (Option)	4K Raw up to 60fps				
Alexa ARRIRAW (Option)	16:9 and 4:3				
Quad-Stream HD (Option)	4 Streams @ 30fps				
Price	\$2,295	\$2,699	\$2,299	\$2,525	\$1,299

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Notes:

- 1) Odyssey7Q includes DNxHD compressed recording up to 1080p60. Other recording formats available for purchase or rental.
- 2) OLED has much wider color gamut and much greater contrast than LCD
- 3) PIP = Picture in Picture
- 4) HP = Headphone
- 5) HFR = High Frame Rate (above 60fps)
- 6) QHD = Quad HD Format (3840 x 2160)
- 7) Chart based on best available information as of 2-May-2013, and is subject to corrections.